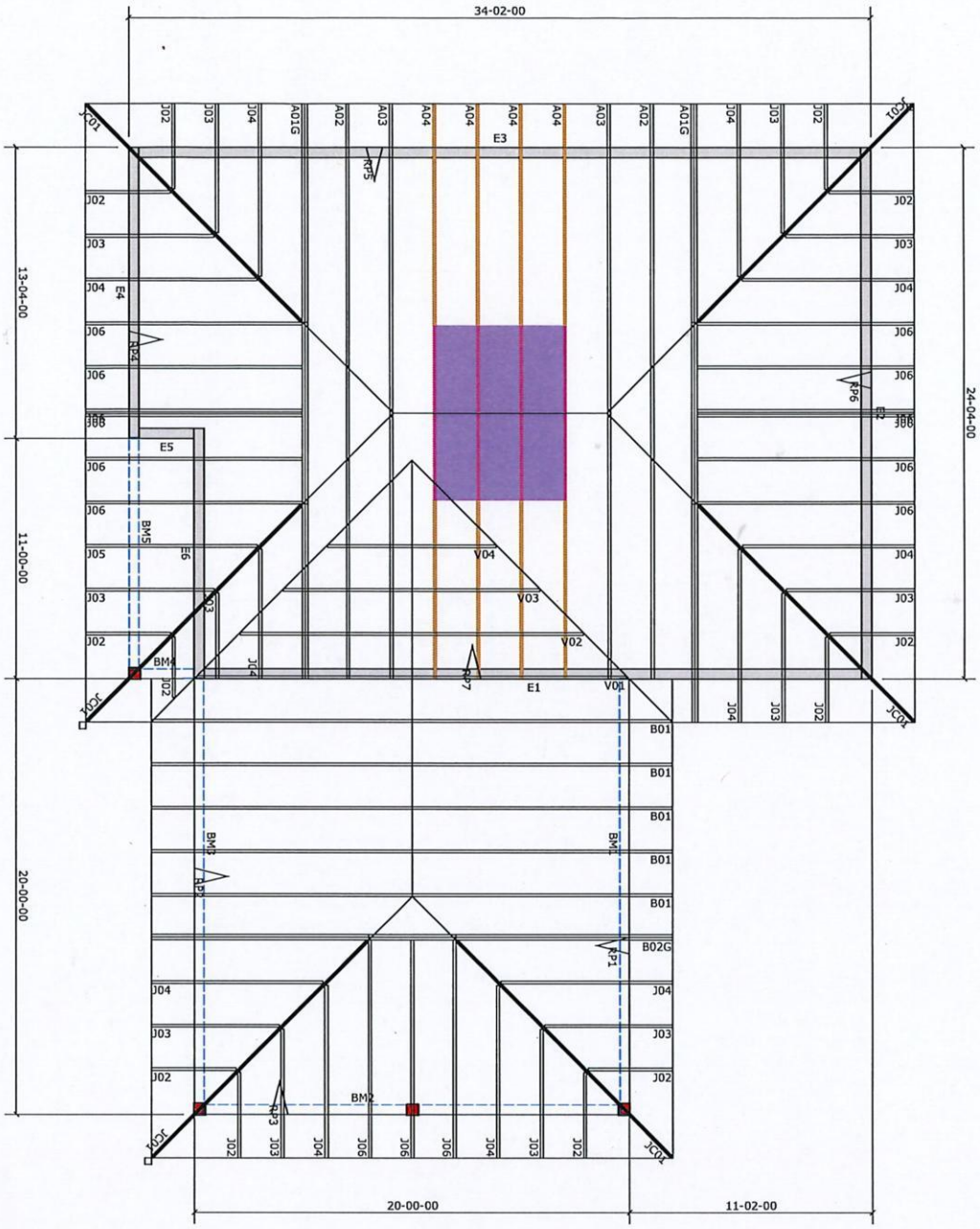


RIGHT ELEVATION

FOXWORTH GALBRAITH TRUSS DIVISION

Client:	FG Prescott			Job No.	200542
Job Name:	Yavapai County Standard plans				
Address:		City:	Prescott	State:	AZ

MiTek USA, Inc.
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661
Telephone 916-755-3571

Re: 200542-R
Yavapai County Standard plans 1 bedroom

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Foxworth Galbraith-Dewey, AZ.

Pages or sheets covered by this seal: R63397006 thru R63397024

My license renewal date for the state of Arizona is September 30, 2022.

Arizona COA: 11906-0

Lumber design values are in accordance with ANSI/TPI 1 section 6.3
These truss designs rely on lumber values established by others.

August 19,2020

Hernandez, Marcos

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

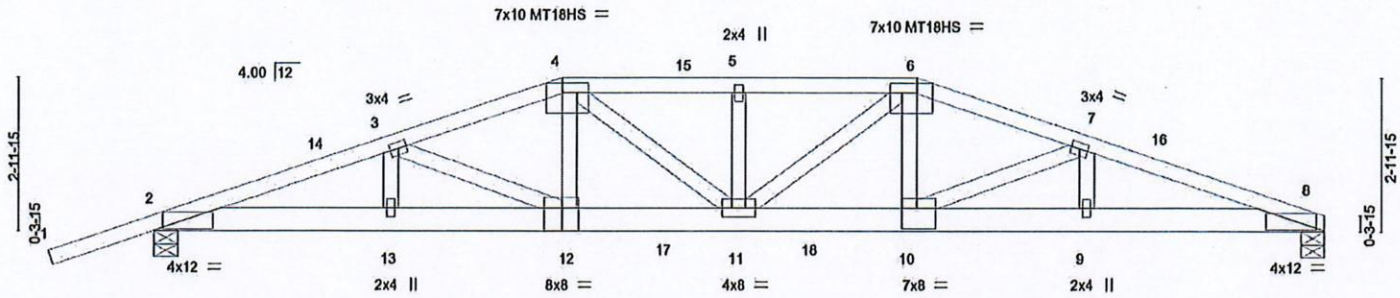
REVIEWED FOR
DESIGN CRITERIA
ONLY

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom
200542-R	A01G	Hip Girder	2	2	R63397006
					Job Reference (optional)

Foxworth Galbraith Lbr Co (Dewey, AZ), Dewey, AZ - 86327, 8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 19 11:11:55 2020 Page 1
ID:zw8m9fEhAc?s5uca?VSsBBz3APh-YaWc_MydnJUyhL1M6G3?dyGuaaQ75YmDr4qd?GymIlo

-2-0-0	4-7-14	8-0-0	11-6-0	15-0-0	18-4-2	23-0-0
2-0-0	4-7-14	3-4-2	3-6-0	3-6-0	3-4-2	4-7-14

Scale = 1:41.5



4-7-14	8-0-0	11-6-0	15-0-0	18-4-2	23-0-0
4-7-14	3-4-2	3-6-0	3-6-0	3-4-2	4-7-14

Plate Offsets (X,Y)-- [2:0-6-0,0-1-11], [4:0-6-4,0-2-4], [6:0-6-4,0-2-4], [8:0-6-0,0-1-11], [10:0-3-8,0-4-12], [12:0-4-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	-0.40	11	>680	240	MT20	185/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.94	Vert(CT)	-0.60	11	>450	180	MT18HS	185/144
TCDL	20.0	Rep Stress Incr	NO	WB	0.70	Horz(CT)	0.13	8	n/a	n/a		
BCLL	0.0 *	Code IRC2018/TPI2014		Matrix-S							Weight: 197 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 HF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 8=0-5-8, 2=0-5-8
Max Horz 2=47(LC 5)
Max Uplift 8=-366(LC 9), 2=-458(LC 9)
Max Grav 8=4682(LC 28), 2=5107(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-12807/964, 3-4=-12752/1014, 4-5=-13344/1079, 5-6=-13344/1079, 6-7=-12808/1026, 7-8=-12994/1022
BOT CHORD 2-13=-877/12032, 12-13=-877/12032, 11-12=-900/12190, 10-11=-911/12241, 9-10=-937/12222, 8-9=-937/12222
WEBS 3-13=-426/86, 3-12=-660/398, 4-12=-179/2670, 4-11=-164/1769, 5-11=-574/130, 6-11=-132/1737, 6-10=-195/2739, 7-10=-832/315, 7-9=-364/67

NOTES-
1) 2-ply truss to be connected together with 10d (0.120"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-3-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-3-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-16; Pf=40.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
8) All plates are MT20 plates unless otherwise indicated.
9) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=366, 2=458.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Continued on page 2

Professional Engineer (Civil) Registered CERTIFICATE NO. 55070 MARCOS A. HERNANDEZ Date Signed ARIZONA U.S.A.
EXPIRES: 09/30/2022
August 19,2020

REVIEWED FOR DESIGN CRITERIA ONLY

MiTek
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom R63397006
200542-R	A01G	Hip Girder	2	2	Job Reference (optional)

NOTES-

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1922 lb down and 185 lb up at 8-0-0, 673 lb down and 60 lb up at 10-0-12, 673 lb down and 60 lb up at 11-6-0, and 673 lb down and 60 lb up at 12-11-4, and 1922 lb down and 185 lb up at 14-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-4=-120, 4-6=-120, 6-8=-120, 2-8=-20
   Concentrated Loads (lb)
   Vert: 12=-1922(B) 11=-673(B) 10=-1922(B) 17=-673(B) 18=-673(B)

REVIEWED FOR DESIGN CRITERIA ONLY

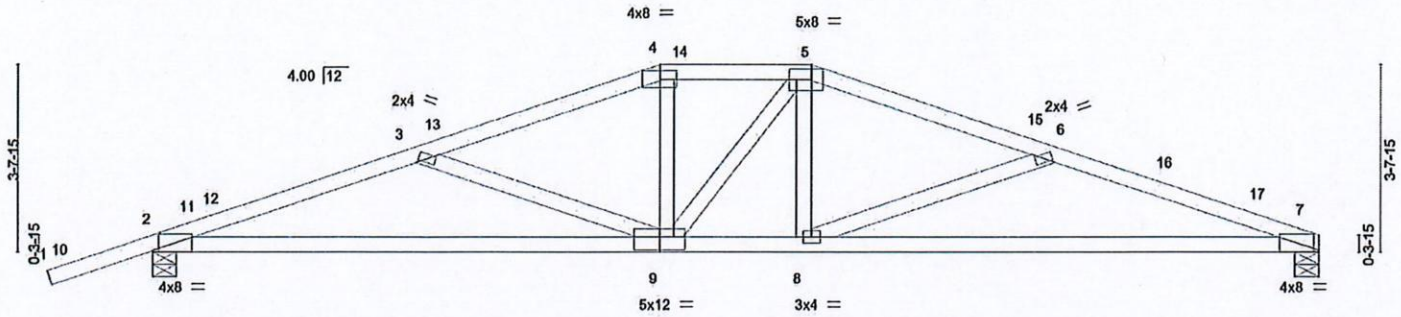
MiTek
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom R63397007
200542-R	A02	Hip	2	1	Job Reference (optional)

Foxworth Galbraith Lbr Co (Dewey, AZ), Dewey, AZ - 86327, 8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 19 11:11:56 2020 Page 1
ID:zw8m9fEhAc?s5uca?VSsBBz3APh-0m4_CizFYccpJVcZgzaEAAp1__mmq0?M4kZAYjymln

-2-0-0	5-4-14	10-0-0	13-0-0	17-7-2	23-0-0
2-0-0	5-4-14	4-7-2	3-0-0	4-7-2	5-4-14

Scale = 1:41.7



10-0-0	13-0-0	23-0-0
10-0-0	3-0-0	10-0-0

Plate Offsets (X,Y)-- [2:0-1-6,Edge], [5:0-5-4,0-2-8], [7:0-1-2,Edge], [9:0-6-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.98	Vert(LL)	-0.26	8-9	>999	240	MT20	185/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.53	7-8	>508	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.13	7	n/a	n/a		
BCLL	0.0 *	Code IRC2018/TPI2014		Matrix-S							Weight: 80 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2 *Except*
5-7: 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E *Except*
7-9: 2x4 SPF 2100F 1.8E
WEBS 2x4 HF Stud/Std *Except*
3-9,6-8: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 9-0-6 oc bracing.

REACTIONS. (size) 7=0-5-8, 2=0-5-8
Max Horz 2=50(LC 12)
Max Uplift 7=-141(LC 13), 2=-233(LC 13)
Max Grav 7=1962(LC 32), 2=2387(LC 32)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4556/700, 3-4=-3358/525, 4-5=-3052/528, 5-6=-3365/518, 6-7=-4678/694
BOT CHORD 2-9=-625/4158, 8-9=-376/3076, 7-8=-608/4326
WEBS 3-9=-1178/248, 4-9=-33/544, 5-9=-286/242, 5-8=-50/610, 6-8=-1354/278

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -2-0-9 to 0-11-7, Interior(1) 0-11-7 to 10-0-0, Exterior(2E) 10-0-0 to 13-0-0, Exterior(2R) 13-0-0 to 17-2-15, Interior(1) 17-2-15 to 22-9-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=40.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=141, 2=233.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Registered Professional Engineer (Civil) CERTIFICATE NO. 55070 MARCOS A. HERNANDEZ Date Signed ARIZONA U.S.A.

EXPIRES: 09/30/2022

REVIEWED FOR DESIGN CRITERIA ONLY August 19, 2020

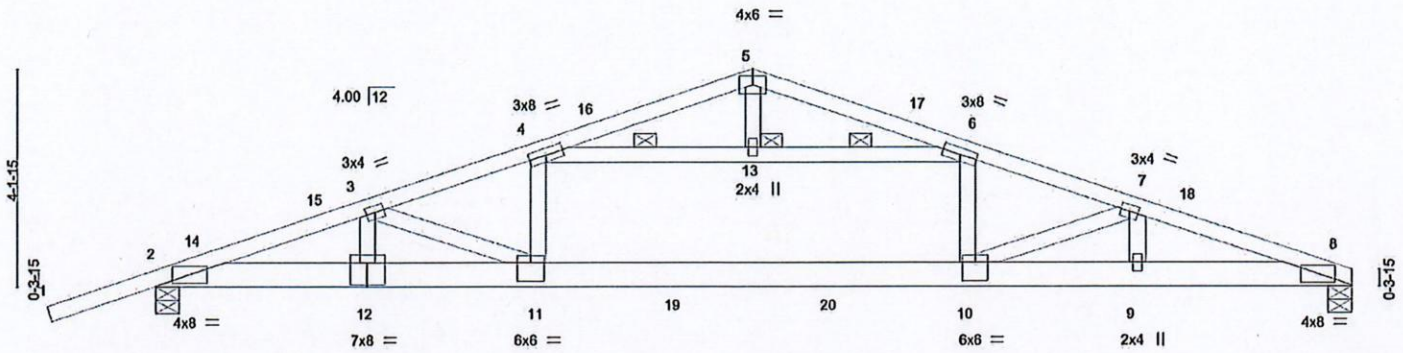
MiTek
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom R63397008
200542-R	A03	ATTIC	3	1	Job Reference (optional)

Foxworth Galbraith Lbr Co (Dewey, AZ), Dewey, AZ - 86327, 8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 19 11:11:57 2020 Page 1
ID:unUAOhgK?QMVH3xnFrKFLtz1avZ-UyeMP2ztJwkgxfAlEh5TlNMFbO7RZVIVIOJk49ymlm

-2-0-0	4-1-0	7-4-4	11-6-0	15-7-12	18-11-0	23-0-0
2-0-0	4-1-0	3-3-4	4-1-12	4-1-12	3-3-4	4-1-0

Scale = 1:40.7



4-1-0	7-4-4	15-7-12	18-11-0	23-0-0
4-1-0	3-3-4	8-3-8	3-3-4	4-1-0

Plate Offsets (X,Y)-- [10:0-3-0,0-4-4], [11:0-3-0,0-4-4], [12:0-4-0,0-5-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.36	10	>757	240	MT20	185/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.57	10-11	>477	180		
TCDL	20.0	Rep Stress Incr	NO	WB	0.47	Horz(CT)	0.08	8	n/a	n/a		
BCLL	0.0 *	Code IRC2018/TPI2014		Matrix-S		Attic	-0.21	10-11	484	360	Weight: 96 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x6 SPF 1650F 1.5E *Except*
8-12: 2x6 SPF 2100F 1.8E
WEBS 2x4 HF Stud/Std *Except*
4-6: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-11-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-13, 6-13
JOINTS 1 Brace at Jt(s): 13

REACTIONS. (size) 8=0-5-8, 2=0-5-8
Max Horz 2=56(LC 12)
Max Uplift 8=-22(LC 13), 2=-114(LC 13)
Max Grav 8=1887(LC 4), 2=2157(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4770/258, 3-4=-4695/144, 4-5=-1200/158, 5-6=-1198/161, 6-7=-4700/159, 7-8=-4943/312
BOT CHORD 2-12=-214/4450, 11-12=-214/4450, 10-11=-68/4410, 9-10=-260/4625, 8-9=-260/4625
WEBS 6-10=0/924, 7-10=-824/529, 7-9=-510/34, 4-11=0/917, 3-11=-619/626, 3-12=-547/28, 4-13=-3402/49, 6-13=-3402/49

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -2-0-9 to 0-11-7, Interior(1) 0-11-7 to 11-6-0, Exterior(2R) 11-6-0 to 14-6-0, Interior(1) 14-6-0 to 22-9-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=40.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) 200.0lb AC unit load placed on the bottom chord, 11-6-0 from left end, supported at two points, 3-0-0 apart.
6) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (5.0 psf) on member(s). 4-13, 6-13
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 10-11
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 2=114.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

LOAD CASE(S) Standard

Continued on page 2

Registered Professional Engineer (Civil) CERTIFICATE NO. 55070 MARCOS A. HERNANDEZ Date Signed ARIZONA U.S.A.

EXPIRES: 09/30/2022

REVIEWED FOR DESIGN CRITERIA ONLY August 19, 2020

MiTek
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom R63397008
200542-R	A03	ATTIC	3	1	Job Reference (optional)

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-5=-120, 5-8=-120, 2-11=-20, 10-11=-37, 8-10=-20, 4-6=-10
   Concentrated Loads (lb)
   Vert: 19=-100 20=-100

REVIEWED FOR DESIGN CRITERIA ONLY

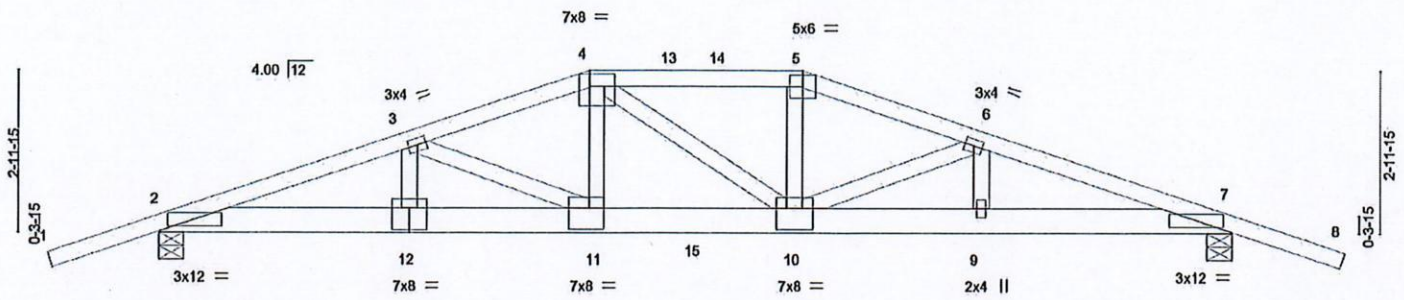
MiTek
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom
200542-R	B01G	Hip Girder	1	2	R63397009
					Job Reference (optional)

Foxworth Galbraith Lbr Co (Dewey, AZ), Dewey, AZ - 86327, 8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 19 11:11:59 2020 Page 1
ID:zw8m9fEhAc?s5uca?VSsBBz3APh-QLI7qk?8rX_OAyK8L67xnoRbuCqp1Mtomlor82ymlik

-2-0-0	4-7-14	8-0-0	12-0-0	15-4-2	20-0-0	22-0-0
2-0-0	4-7-14	3-4-2	4-0-0	3-4-2	4-7-14	2-0-0

Scale = 1:39.4



4-7-14	8-0-0	12-0-0	15-4-2	20-0-0
4-7-14	3-4-2	4-0-0	3-4-2	4-7-14

Plate Offsets (X,Y)-- [4:0-5-12,0-2-12], [10:0-4-0,0-4-12], [11:0-3-8,0-4-12], [12:0-4-0,0-5-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0	TC 0.81	Vert(LL) -0.27 10-11 >855 240	MT20	185/144
TCDL 20.0	Plate Grip DOL 1.15	BC 0.76	Vert(CT) -0.41 10-11 >570 180		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.69	Horz(CT) 0.09 7 n/a n/a		
BCDL 10.0	Rep Stress Incr NO	Matrix-S		Weight: 171 lb	FT = 20%
	Code IRC2018/TPI2014				

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 HF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-5-8, 7=0-5-8
Max Horz 2=-39(LC 7)
Max Uplift 2=-387(LC 9), 7=-387(LC 9)
Max Grav 2=4289(LC 28), 7=4289(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-10225/753, 3-4=-9873/790, 4-5=-9418/769, 5-6=-9864/788, 6-7=-10228/753
BOT CHORD 2-12=-642/9554, 11-12=-642/9554, 10-11=-661/9427, 9-10=-643/9557, 7-9=-643/9557
WEBS 3-12=-358/78, 3-11=-687/236, 4-11=-176/2705, 5-10=-175/2697, 6-10=-694/221, 6-9=-349/76

NOTES-
1) 2-ply truss to be connected together with 10d (0.120"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-4-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-3-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-16; Pf=40.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
8) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=387, 7=387.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1922 lb down and 185 lb up at 8-0-0, and 673 lb down and 60 lb up at 10-0-0, and 1922 lb down and 185 lb up at 11-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Continued on page 2

Registered Professional Engineer (Civil) CERTIFICATE NO. 55070 MARCOS A. HERNANDEZ Date Signed ARIZONA U.S.A.

EXPIRES: 09/30/2022
August 19,2020

REVIEWED FOR DESIGN CRITERIA ONLY

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom R63397009
200542-R	B01G	Hip Girder	1	2	Job Reference (optional)

Foxworth Galbraith Lbr Co (Dewey, AZ), Dewey, AZ - 86327, 8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 19 11:11:59 2020 Page 2
ID:zw8m9fEhAc?s5uca?VSsBBz3APh-QLI7qk?8rX_OAyK8L67xnoRbuCqp1Mtomlor82ymlik

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-4=-120, 4-5=-120, 5-8=-120, 2-7=-20
   Concentrated Loads (lb)
   Vert: 11=-1922(B) 10=-1922(B) 15=-673(B)

REVIEWED FOR DESIGN CRITERIA ONLY

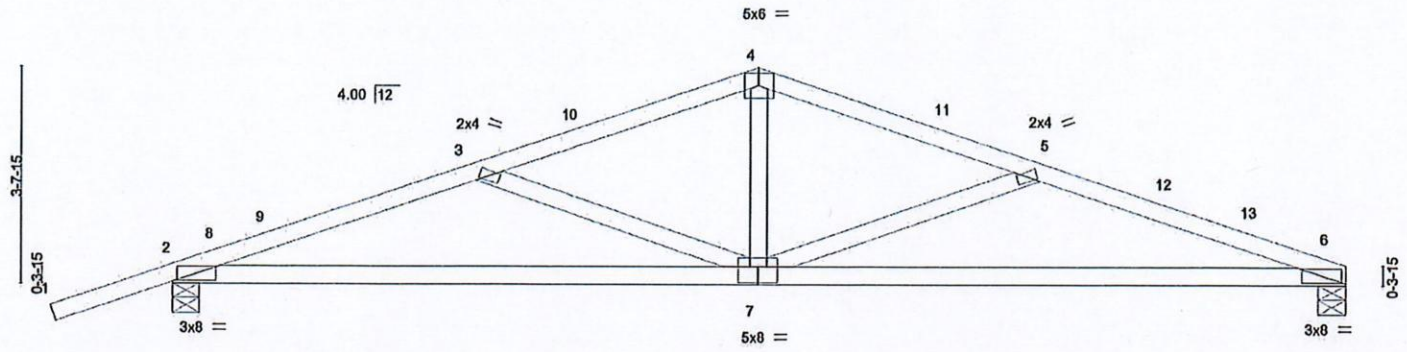
MiTek
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom R63397010
200542-R	B02	Common	1	1	Job Reference (optional)

Foxworth Galbraith Lbr Co (Dewey, AZ), Dewey, AZ - 86327, 8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 19 11:12:00 2020 Page 1
ID:zw8m9fEhAc?s5uca?VSsBBz3APh-uXJV240mcr6Fo6vKvpeAK0_IPb9RmpDy_MXOhUymlj

-2-0-0 2-0-0 | 5-4-14 5-4-14 | 10-0-0 4-7-2 | 14-7-2 4-7-2 | 20-0-0 5-4-14

Scale = 1:36.1



10-0-0 10-0-0 | 20-0-0 10-0-0

Plate Offsets (X,Y)-- [7:0-4-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.89	Vert(LL)	-0.16	6-7	>999	240	MT20	185/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.41	6-7	>574	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.08	6	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-S								
BCDL	10.0										Weight: 64 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 HF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=0-5-8, 2=0-5-8
Max Horz 2=50(LC 12)
Max Uplift 6=-121(LC 13), 2=-214(LC 13)
Max Grav 6=1470(LC 19), 2=1767(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3330/543, 3-4=-2243/374, 4-5=-2247/386, 5-6=-3422/560
BOT CHORD 2-7=-473/3033, 6-7=-480/3158
WEBS 4-7=-87/823, 5-7=-1282/263, 3-7=-1173/240

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -2-0-9 to 0-11-7, Interior(1) 0-11-7 to 10-0-0, Exterior(2R) 10-0-0 to 13-0-0, Interior(1) 13-0-0 to 19-9-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=40.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=121, 2=214.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

EXPIRES: 09/30/2022
August 19,2020

REVIEWED FOR DESIGN CRITERIA ONLY

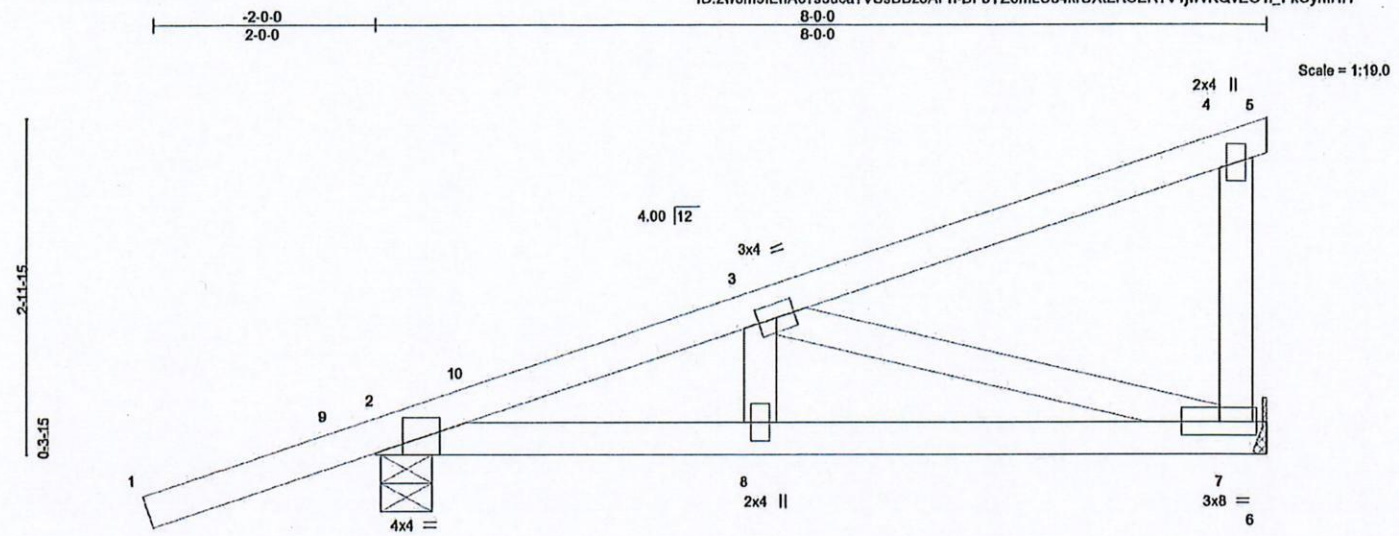
MiTek
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom	R63397011
200542-R	J01	Jack-Closed	13	1	Job Reference (optional)	

Foxworth - Galbraith #78, Dewey, AZ

8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 19 10:48:11 2020 Page 1

ID:zw8m9lEhAc?s5uca?VSsBBz3APh-BF0YZ0mLU34krUXtZRSER?V1jwvKQvEO1l_FkUymHIY



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.59	Vert(LL) -0.03 8 >999 240	MT20 185/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.37	Vert(CT) -0.05 7-8 >999 180	
TCDL 20.0	Rep Stress Incr YES	WB 0.47	Horz(CT) 0.01 7 n/a n/a	
BCLL 0.0 *	Code IRC2018/TPI2014	Matrix-P		Weight: 30 lb FT = 20%
BCDL 10.0				

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 HF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-10-12 oc bracing.

REACTIONS. (size) 7=Mechanical, 2=0-5-8
Max Horz 2=114(LC 10)
Max Uplift 7=-40(LC 13), 2=-141(LC 13)
Max Grav 7=693(LC 18), 2=1017(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1241/164, 4-7=-347/161
BOT CHORD 2-8=-355/1069, 7-8=-355/1069
WEBS 3-7=-1109/335

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -2-0-9 to 0-11-7, Interior(1) 0-11-7 to 8-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=40.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 7 and 141 lb uplift at joint 2.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

EXPIRES: 09/30/2022

REVIEWED FOR DESIGN CRITERIA ONLY
August 19,2020

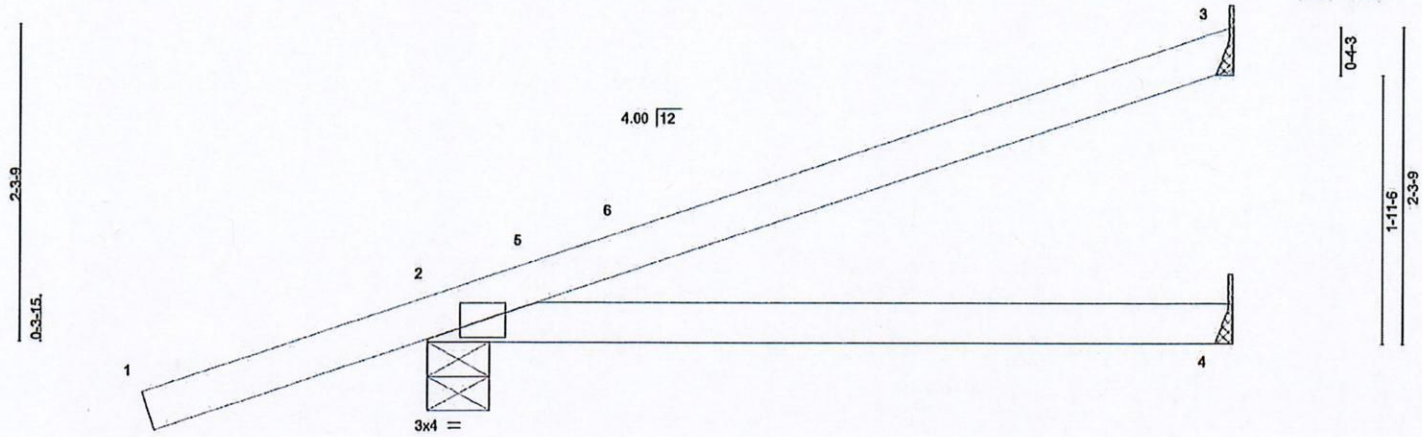
MiTek
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom R63397012
200542-R	J02	Jack-Open	9	1	Job Reference (optional)

Foxworth Galbraith Lbr Co (Dewey, AZ), Dewey, AZ - 86327, 8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 19 11:12:01 2020 Page 1
ID:zw8m9fEhAc?s5uca?VSsBBz3APh-MkltFQ0ON9E6PGUWTXAPlDWuR?eXVQ85D?HxDwymIl

-2-0-0 / 2-0-0 — 5-10-15 / 5-10-15

Scale = 1:15.5



5-10-15 / 5-10-15

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	0.00	2	****	240	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.23	Vert(CT)	-0.06	2-4	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code IRC2018/TPI2014		Matrix-P							Weight: 16 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=95(LC 13)
Max Uplift 3=-49(LC 13), 2=-126(LC 13)
Max Grav 3=382(LC 18), 2=958(LC 18), 4=56(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -2-0-9 to 0-11-7, Interior(1) 0-11-7 to 5-10-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=40.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=126.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

EXPIRES: 09/30/2022
August 19,2020

REVIEWED FOR DESIGN CRITERIA ONLY

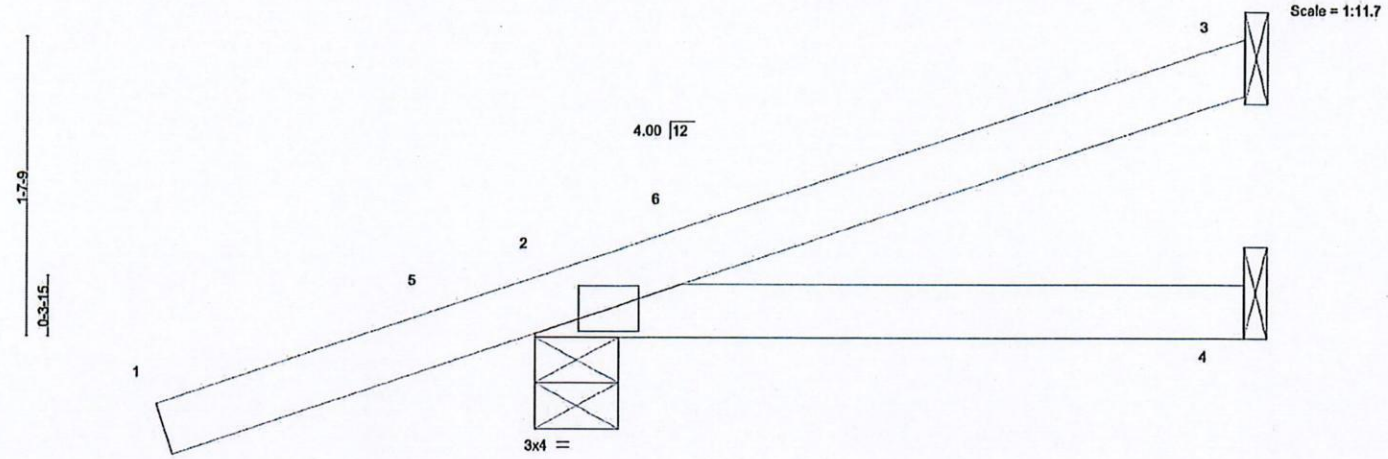
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom	R63397013
200542-R	J03	Jack-Open	9	1	Job Reference (optional)	

Foxworth Galbraith Lbr Co (Dewey, AZ), Dewey, AZ - 86327, 8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 19 11:12:02 2020 Page 1
ID:zw8m9fEhAc?s5uca?VSsBBz3APh-qwRFSl108SNz1Q3l0EhePR374P0?EtOFSf0VlMymlh

-2-0-0 / 2-0-0 — 3-10-15 / 3-10-15

Scale = 1:11.7



3-10-15 / 3-10-15

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	0.00	2	****	240	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.09	Vert(CT)	-0.01	2-4	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code IRC2018/TPI2014		Matrix-P							Weight: 12 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=74(LC 13)
Max Uplift 3=-20(LC 10), 2=-127(LC 13)
Max Grav 3=178(LC 18), 2=816(LC 18), 4=36(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -2-0-9 to 0-11-7, Interior(1) 0-11-7 to 3-10-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=40.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=127.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Registered Professional Engineer (Civil)
CERTIFICATE NO.
55070
MARCOS A.
HERNANDEZ
Date Signed
ARIZONA U.S.A.

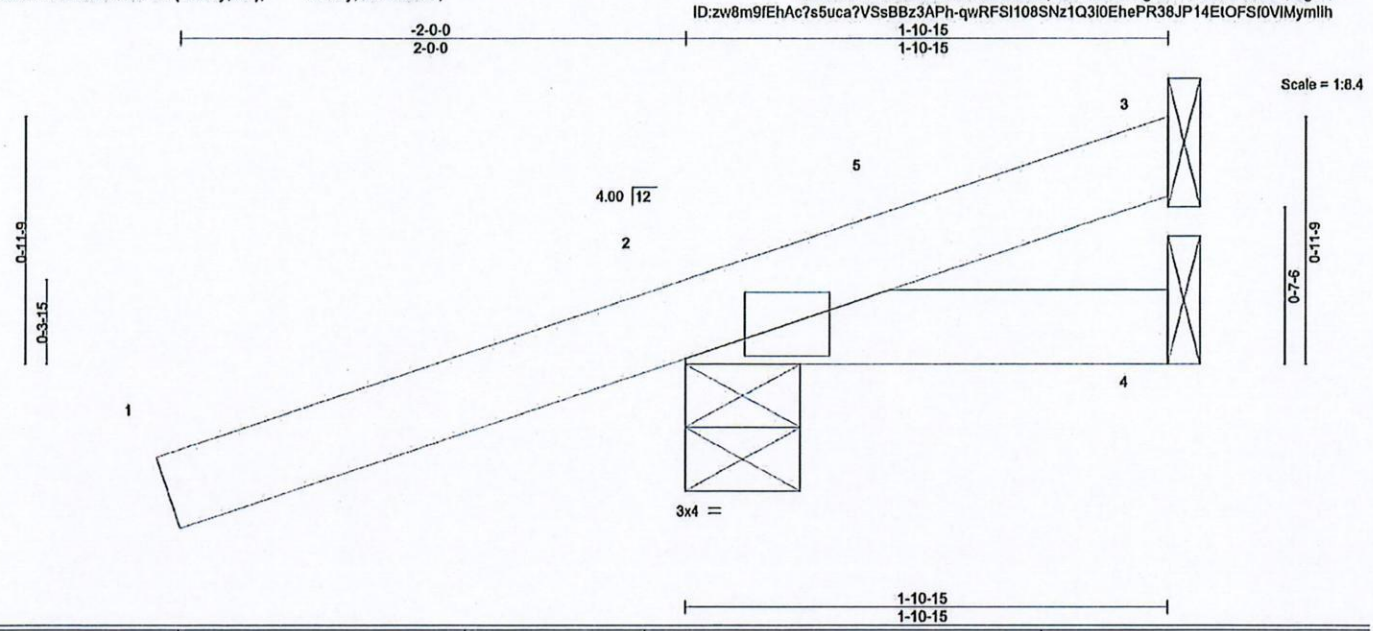
EXPIRES: 09/30/2022

REVIEWED FOR DESIGN CRITERIA ONLY
August 19, 2020

MiTek
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom	R63397014
200542-R	J04	Jack-Open	10	1	Job Reference (optional)	

Foxworth Galbraith Lbr Co (Dewey, AZ), Dewey, AZ - 86327, 8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 19 11:12:02 2020 Page 1
ID:zw8m9fEhAc?s5uca?VSsBBz3APh-qwRFSI108SNz1Q3I0EhePR38JP14EtOFSf0VIMymIlh



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.67	Vert(LL)	0.00	2	****	240	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.02	Vert(CT)	-0.00	2	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-P							Weight: 7 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=53(LC 13)
Max Uplift 3=-105(LC 17), 2=-133(LC 13)
Max Grav 3=26(LC 13), 2=681(LC 18), 4=19(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -2-0-9 to 0-11-7, Interior(1) 0-11-7 to 1-10-13 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=40.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=105, 2=133.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

EXPIRES: 09/30/2022
August 19,2020

REVIEWED FOR DESIGN CRITERIA ONLY

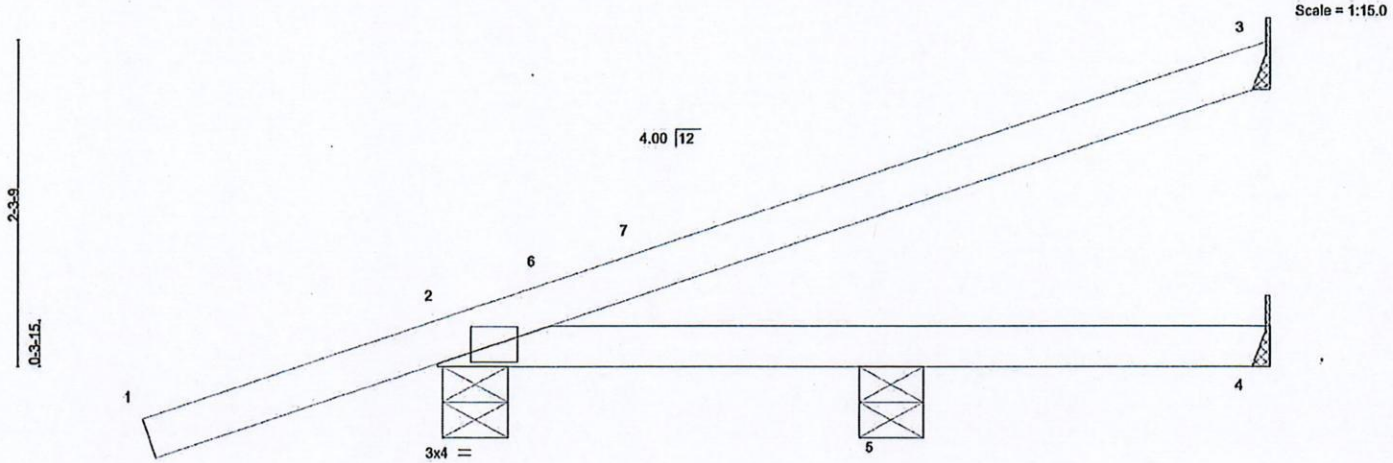
MiTek
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom R63397015
200542-R	J05	Jack-Open	1	1	Job Reference (optional)

Foxworth Galbraith Lbr Co (Dewey, AZ), Dewey, AZ - 86327, 8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 19 11:12:03 2020 Page 1
ID:zw8m9lEhAc?s5uca?VSsBBz3APh-J6?dg52evmVqfaevayCtyebExpNwzKdOhJm2Hpymllg

-2-0-0 5-10-15
2-0-0 5-10-15

Scale = 1:15.0



3-2-12 5-10-15
3-2-4 2-8-3

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	0.00	5	****	240	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.05	Vert(CT)	-0.00	2-5	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-P							Weight: 16 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings Mechanical except (jt=length) 2=0-5-8, 5=0-5-8.
(lb) - Max Horz 2=95(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 3 except 2=-138(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 4, 5 except 3=382(LC 18), 2=925(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -2-0-9 to 0-11-7, Interior(1) 0-11-7 to 5-10-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=40.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=138.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Registered Professional Engineer (Civil)
CERTIFICATE NO.
55070
MARCOS A.
HERNANDEZ
Date Signed
ARIZONA U.S.A.

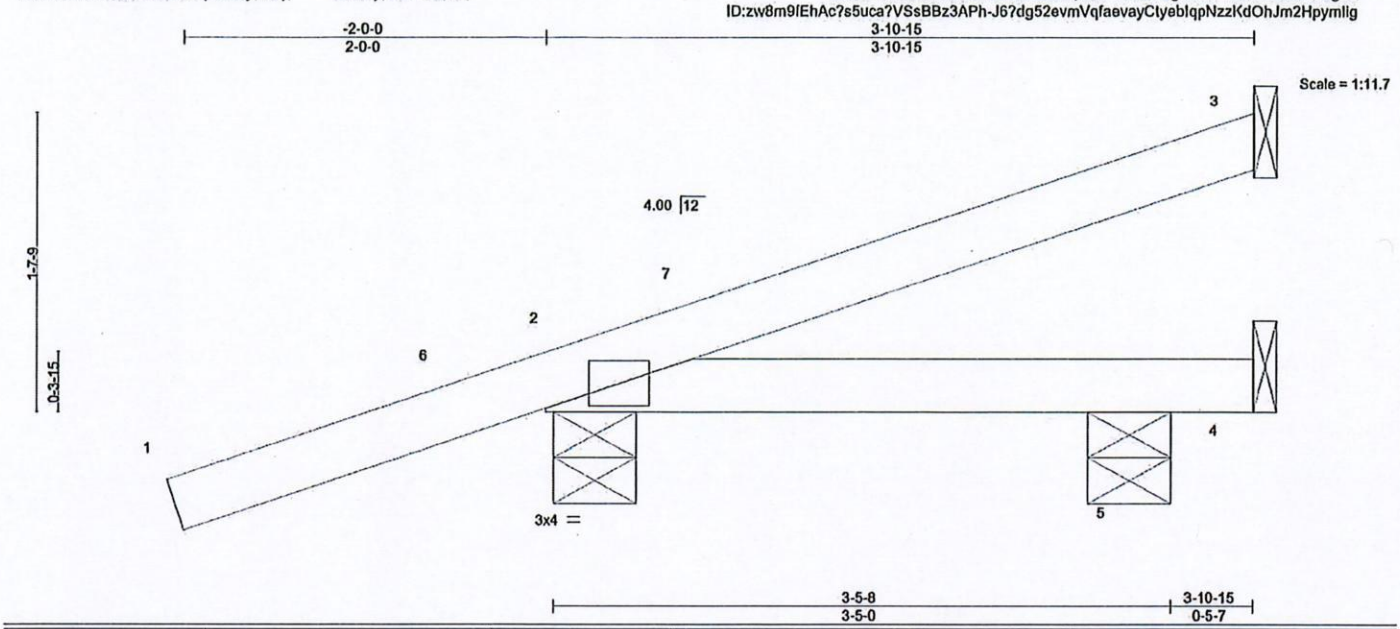
EXPIRES: 09/30/2022

REVIEWED FOR DESIGN CRITERIA ONLY
August 19, 2020

MiTek
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom
200542-R	J06	Jack-Open	1	1	R63397016
					Job Reference (optional)

Foxworth Galbraith Lbr Co (Dewey, AZ), Dewey, AZ - 86327, 8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 19 11:12:03 2020 Page 1
ID:zw8m9fEhAc?s5uca?VSsBBz3APh-J6?dg52evmVqfaevayCtyeblqpNzzlKdOhJm2Hpymlg



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	0.00	5	****	240	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.04	Vert(CT)	-0.00	2-5	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-P							Weight: 12 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical, 5=0-5-8
Max Horz 2=74(LC 13)
Max Uplift 3=-20(LC 10), 2=-132(LC 13), 4=-24(LC 1)
Max Grav 3=178(LC 18), 2=804(LC 18), 5=73(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -2-0-9 to 0-11-7, Interior(1) 0-11-7 to 3-10-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=40.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=132.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Registered Professional Engineer (Civil) CERTIFICATE NO. 55070 MARCOS A. HERNANDEZ Date Signed ARIZONA U.S.A.

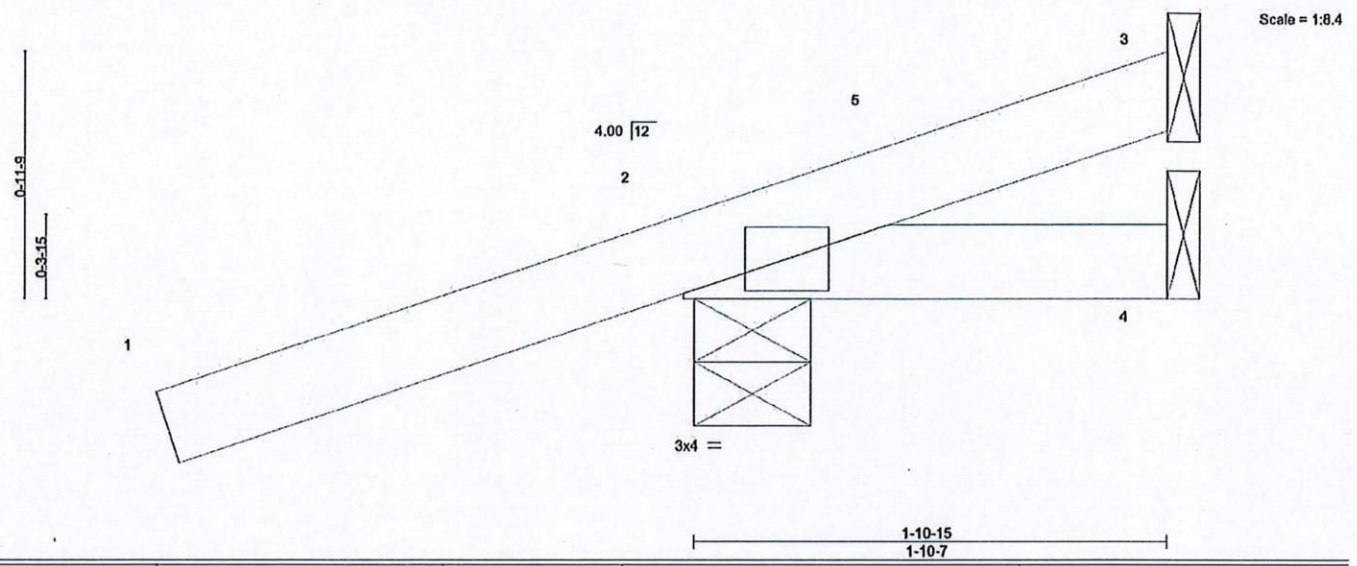
EXPIRES: 09/30/2022
August 19,2020

REVIEWED FOR DESIGN CRITERIA ONLY

MiTek
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom	R63397017
200542-R	J07	Jack-Open	2	1	Job Reference (optional)	

Foxworth Galbraith Lbr Co (Dewey, AZ), Dewey, AZ - 86327, 8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 19 11:12:04 2020 Page 1
ID:zw8m9fEhAc?s5uca?VSsBBz3APh-nJZ?IR3Gg4dhGkD58fj6Us8TpDiYintXvzVcqFymlif



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.67	Vert(LL)	0.00	2	****	240	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.02	Vert(CT)	-0.00	2	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-P							Weight: 7 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=53(LC 13)
Max Uplift 3=-105(LC 17), 2=-133(LC 13)
Max Grav 3=26(LC 13), 2=681(LC 18), 4=19(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -2-0-9 to 0-11-7, Interior(1) 0-11-7 to 1-10-13 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=40.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=105, 2=133.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

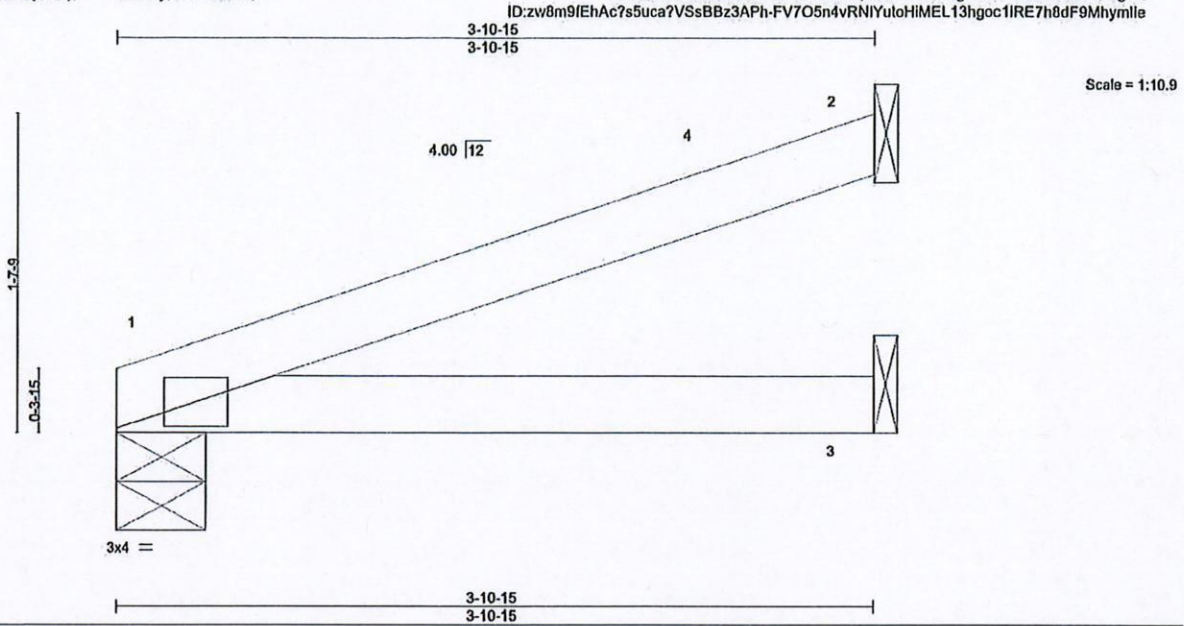
EXPIRES: 09/30/2022
August 19,2020

REVIEWED FOR DESIGN CRITERIA ONLY

MiTek
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom R63397018
200542-R	J08	Jack-Open	2	1	Job Reference (optional)

Foxworth Galbraith Lbr Co (Dewey, AZ), Dewey, AZ - 86327, 8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 19 11:12:05 2020 Page 1
ID:zw8m9fEhAc?s5uca?VSsBBz3APh-FV7O5n4vRNlYutoHiMEL13hgoc1IRE7h8dF9Mhymlle



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	0.00	1	****	240	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.09	Vert(CT)	-0.01	1-3	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCLL	0.0 *	Code IRC2018/TPI2014		Matrix-P							Weight: 9 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-5-8, 2=Mechanical, 3=Mechanical
Max Horz 1=42(LC 13)
Max Uplift 1=-16(LC 13), 2=-44(LC 13)
Max Grav 1=319(LC 17), 2=282(LC 17), 3=36(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 3-10-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=40.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

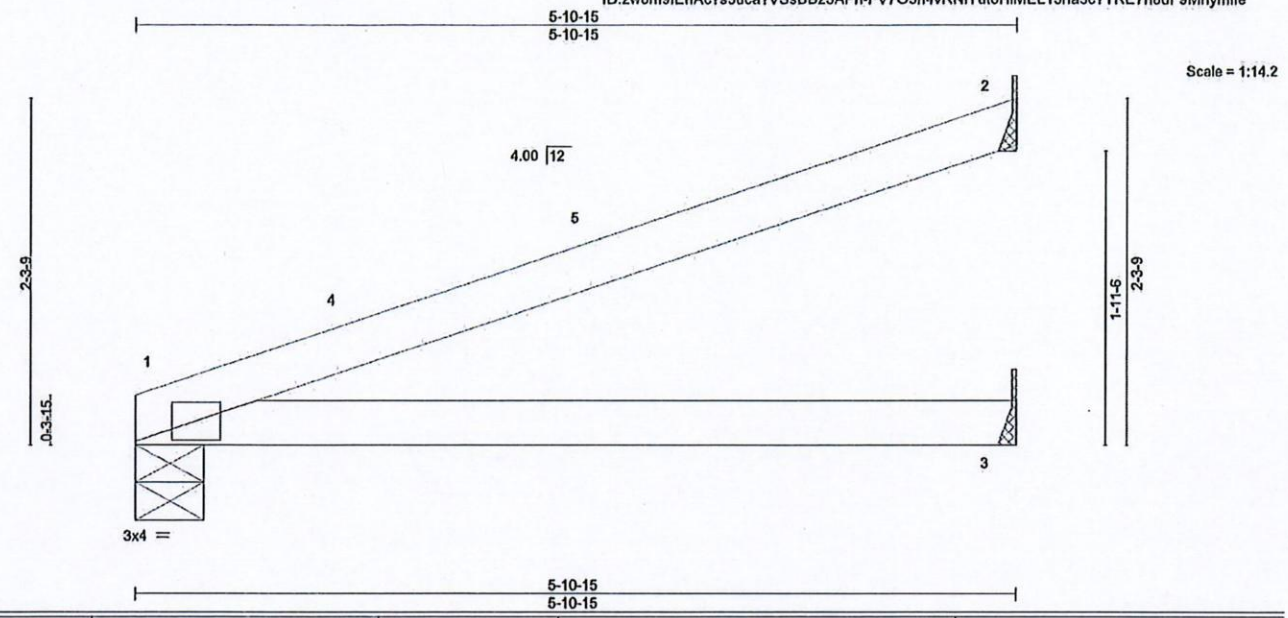
EXPIRES: 09/30/2022
August 19,2020

REVIEWED FOR DESIGN CRITERIA ONLY

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom R63397019
200542-R	J09	Jack-Open	2	1	Job Reference (optional)

Foxworth Galbraith Lbr Co (Dewey, AZ), Dewey, AZ - 86327, 8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 19 11:12:05 2020 Page 1
ID:zw8m9lEhAc?s5uca?VSsBBz3APh-FV7O5n4vRNlYuloHiMEL13ha5c?TRE7h8dF9Mhymlle



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.90	Vert(LL)	0.00	1	****	240	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.23	Vert(CT)	-0.06	1-3	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-P							Weight: 14 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E
BOT CHORD 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-5-8, 2=Mechanical, 3=Mechanical
Max Horz 1=63(LC 13)
Max Uplift 1=-25(LC 13), 2=-68(LC 13)
Max Grav 1=513(LC 17), 2=457(LC 17), 3=56(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 5-10-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=40.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

EXPIRES: 09/30/2022
August 19,2020

REVIEWED FOR DESIGN CRITERIA ONLY

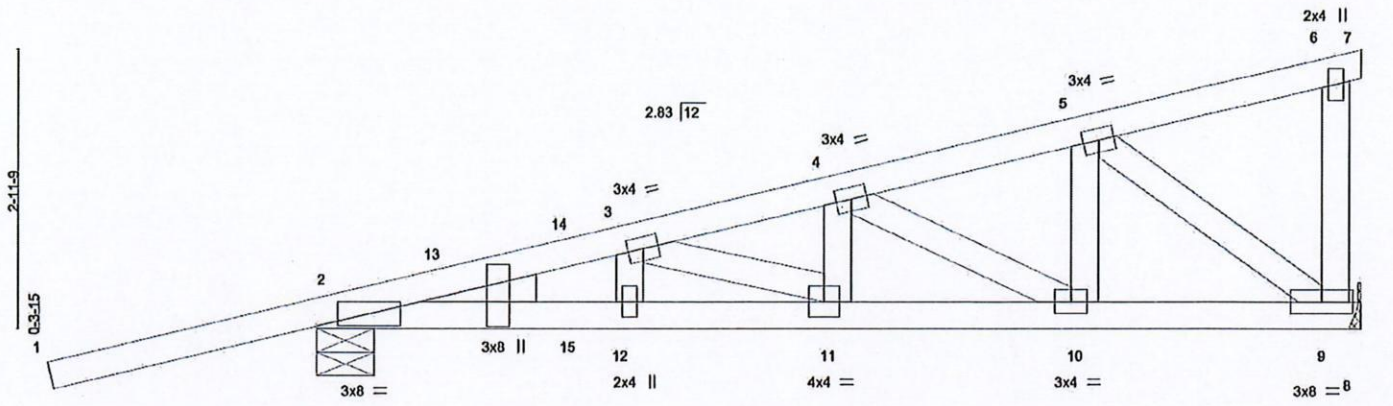
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom R63397020
200542-R	JC01	DIAGONAL HIP GIRDER	6	1	Job Reference (optional)

Foxworth Galbraith Lbr Co (Dewey, AZ), Dewey, AZ - 86327, 8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 19 11:12:06 2020 Page 1
ID:zw8m9fEhAc?s5uca?VSsBBz3APh-jhgmI74XChtOW1MUF4laaHDm20C0Aa9qNH_lu8ymlld

-2-9-15	3-4-4	5-7-2	8-2-15	11-2-4
2-9-15	3-4-4	2-2-14	2-7-13	2-11-5

Scale = 1:22.7



3-4-4	5-7-2	8-2-15	11-2-4
3-4-4	2-2-14	2-7-13	2-11-5

Plate Offsets (X,Y)-- [2:0-2-11,0-0-1], [2:0-0-1,1-9-13]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.88	Vert(LL) -0.08 11-12 >999 240	MT20 185/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.79	Vert(CT) -0.11 11-12 >999 180	
TCDL 20.0	Rep Stress Incr NO	WB 0.46	Horz(CT) 0.03 9 n/a n/a	
BCLL 0.0 *	Code IRC2018/TPI2014	Matrix-S		Weight: 46 lb FT = 20%
BCDL 10.0				

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E
BOT CHORD 2x4 SPF No.2
WEBS 2x4 HF Stud/Std
WEDGE
Left: 2x4 HF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 9=Mechanical, 2=0-7-6
Max Horz 2=116(LC 35)
Max Uplift 9=-96(LC 5), 2=-220(LC 5)
Max Grav 9=1269(LC 14), 2=1382(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2090/104, 3-4=-2192/127, 4-5=-1449/112
BOT CHORD 2-12=-174/1925, 11-12=-174/1925, 10-11=-187/2122, 9-10=-131/1366
WEBS 3-11=-243/675, 4-10=-848/63, 5-10=0/476, 5-9=-1669/135

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=40.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 2=220.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 73 lb down and 259 lb up at 2-9-8, 73 lb down and 259 lb up at 2-9-8, 192 lb down and 67 lb up at 5-7-7, 100 lb down and 34 lb up at 5-7-7, and 366 lb down and 103 lb up at 8-5-6, and 291 lb down and 78 lb up at 8-5-6 on top chord, and 8 lb down at 2-9-8, 8 lb down at 2-9-8, 26 lb down at 5-7-7, 26 lb down at 5-7-7, and 46 lb down at 8-5-6, and 46 lb down at 8-5-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

Registered Professional Engineer (Civil)
CERTIFICATE NO.
55070
MARCOS A.
HERNANDEZ
Date Signed
ARIZONA U.S.A.

EXPIRES: 09/30/2022
REVIEWED FOR August 19,2020
DESIGN CRITERIA ONLY

MiTek
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom R63397020
200542-R	JC01	DIAGONAL HIP GIRDER	6	1	Job Reference (optional)

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-120, 6-7=-120, 2-8=-20
   Concentrated Loads (lb)
   Vert: 11=-16(F=-8, B=-8) 4=-134(F=-113, B=-21) 10=-56(F=-28, B=-28) 5=-499(F=-287, B=-212) 14=133(F=67, B=67)

REVIEWED FOR DESIGN CRITERIA ONLY

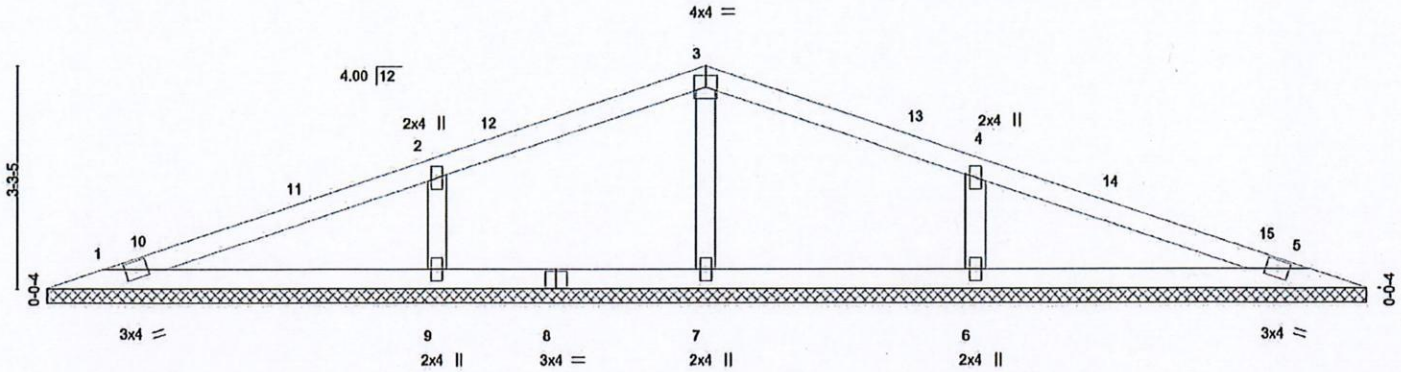
MiTek
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom R63397021
200542-R	V01	Valley	1	1	Job Reference (optional)

Foxworth Galbraith Lbr Co (Dewey, AZ), Dewey, AZ - 86327, 8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 19 11:12:07 2020 Page 1
ID:zw8m9fEhAc?s5uca?VSsBBz3APh-BuE8WT59y??F7BxgpnHp6Um_yQhRv6s_bxkGQaymIlc

9-10-0 | 19-8-0
9-10-0 | 9-10-0

Scale = 1:31.3



0-0-12 | 19-8-0
0-0-12 | 19-7-4

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	n/a	-	n/a	999	MT20	185/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.20	Vert(CT)	n/a	-	n/a	999		
TCDL	20.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IRC2018/TPI2014	Matrix-S							Weight: 50 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 HF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 19-6-8.
(lb) - Max Horz 1=-35(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 9, 6
Max Grav All reactions 250 lb or less at joint(s) except 1=335(LC 17), 5=335(LC 18), 7=408(LC 1), 9=996(LC 17), 6=996(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-7=-357/63, 2-9=-861/183, 4-6=-861/183

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-11-5 to 3-11-5, Interior(1) 3-11-5 to 9-10-0, Exterior(2R) 9-10-0 to 12-10-0, Interior(1) 12-10-0 to 18-8-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=40.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) Gable requires continuous bottom chord bearing.
5) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 9, 6.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Registered Professional Engineer (Civil) CERTIFICATE NO. 55070 MARCOS A. HERNANDEZ Date Signed ARIZONA U.S.A.

EXPIRES: 09/30/2022

REVIEWED FOR DESIGN CRITERIA ONLY August 19, 2020

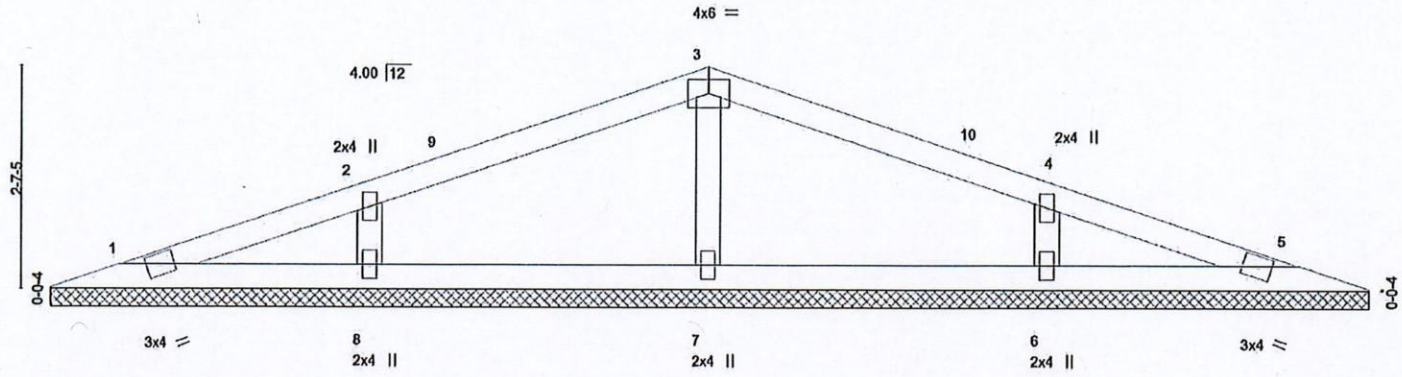
MiTek
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom
200542-R	V02	Valley	1	1	R63397022
					Job Reference (optional)

Foxworth Galbraith Lbr Co (Dewey, AZ), Dewey, AZ - 86327, 8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 19 11:12:08 2020 Page 1
ID:zw8m9fEhAc?s5uca?VSsBBz3APh-f4oWjp6nJl76lLWsNVo2flJD2q3meYo7qbTpz0ymllb

7-10-0 | 15-8-0
7-10-0 | 7-10-0

Scale = 1:24.9



0-0-12 | 15-8-0
0-0-12 | 15-7-4

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.40	Vert(LL) n/a - n/a 999	MT20 185/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.07	Vert(CT) n/a - n/a 999	
TCDL 20.0	Rep Stress Incr YES	WB 0.13	Horz(CT) 0.00 5 n/a n/a	
BCLL 0.0 *	Code IRC2018/TPI2014	Matrix-S		Weight: 38 lb FT = 20%
BCDL 10.0				

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 HF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 15-6-8.
(lb) - Max Horz 1=27(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7, 8, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=505(LC 1), 8=755(LC 17), 6=755(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-7=-425/107, 2-8=-672/169, 4-6=-672/169

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-11-5 to 3-10-0, Interior(1) 3-10-0 to 7-10-0, Exterior(2R) 7-10-0 to 10-10-0, Interior(1) 10-10-0 to 14-8-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=40.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) Gable requires continuous bottom chord bearing.
5) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 7, 8, 6.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

EXPIRES: 09/30/2022
August 19,2020

REVIEWED FOR DESIGN CRITERIA ONLY

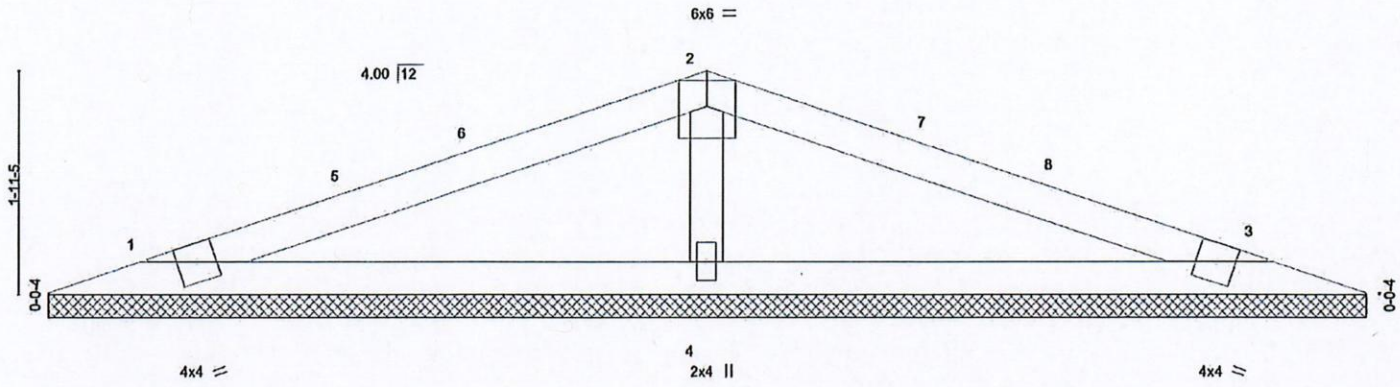
MiTek
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom	R63397023
200542-R	V03	Valley	1	1	Job Reference (optional)	

Foxworth Galbraith Lbr Co (Dewey, AZ), Dewey, AZ - 86327, 8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 19 11:12:09 2020 Page 1
ID:zw8m9lEhAc7s5uca7VSsBBz3APh-7GMuw97PUcFzNV53xCJHBvrJPDMtN0AG3FDMVSymIla

5-10-0 | 11-8-0
5-10-0 | 5-10-0

Scale = 1:18.5



0-0-12 | 11-8-0
0-0-12 | 11-7-4

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.75	Vert(LL)	n/a	-	n/a	999	MT20	185/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.27	Vert(CT)	n/a	-	n/a	999		
TCDL 20.0	Rep Stress Incr YES	WB 0.12	Horz(CT)	0.00	3	n/a	n/a		
BCLL 0.0 *	Code IRC2018/TPI2014	Matrix-S						Weight: 27 lb	FT = 20%
BCDL 10.0									

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 HF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=11-6-8, 3=11-6-8, 4=11-6-8
Max Horz 1=19(LC 12)
Max Uplift 1=-33(LC 13), 3=-33(LC 13), 4=-60(LC 13)
Max Grav 1=403(LC 17), 3=403(LC 18), 4=773(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-604/230

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-11-5 to 3-11-5, Interior(1) 3-11-5 to 5-10-0, Exterior(2R) 5-10-0 to 8-10-0, Interior(1) 8-10-0 to 10-8-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=40.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) Gable requires continuous bottom chord bearing.
5) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

EXPIRES: 09/30/2022
August 19,2020

REVIEWED FOR DESIGN CRITERIA ONLY

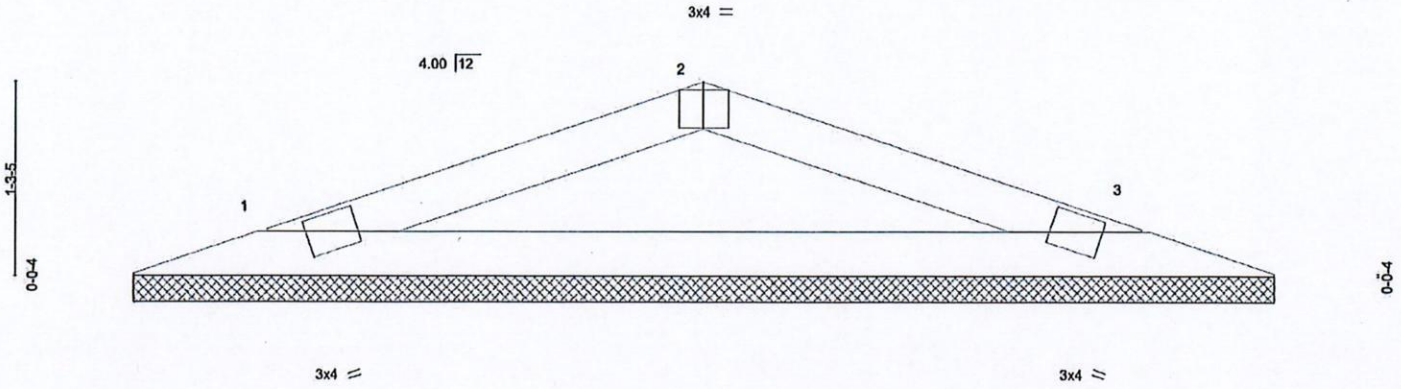
MiTek
MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Job	Truss	Truss Type	Qty	Ply	Yavapai County Standard plans 1 bedroom	R63397024
200542-R	V04	Valley	1	1	Job Reference (optional)	

Foxworth Galbraith Lbr Co (Dewey, AZ), Dewey, AZ - 86327, 8.330 s Jul 22 2020 MiTek Industries, Inc. Wed Aug 19 11:12:09 2020 Page 1
ID:zw8m9fEhAc?s5uca?VSsBBz3APh-7GMuw97PUcFzNV53xCJHBvrP1DMDN16G3FDMVSymIla

3-10-0 / 3-10-0 | 7-8-0 / 3-10-0

Scale = 1:14.0



7-7-4 / 7-7-4 | 7-8-0 / 0-0-12

Plate Offsets (X,Y)-- [2:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.31	Vert(CT)	n/a	-	n/a	999		
TCDL	20.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code IRC2018/TPI2014		Matrix-P							Weight: 16 lb	FT = 20%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=7-6-8, 3=7-6-8
Max Horz 1=11(LC 12)
Max Uplift 1=-37(LC 13), 3=-37(LC 13)
Max Grav 1=434(LC 17), 3=434(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-586/311, 2-3=-586/321
BOT CHORD 1-3=-265/513

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=40.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) Gable requires continuous bottom chord bearing.
5) * This truss has been designed for a live load of 40.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

EXPIRES: 09/30/2022
August 19,2020

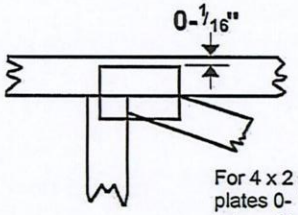
REVIEWED FOR DESIGN CRITERIA ONLY

MiTek USA, Inc.
400 Sunrise Avenue, Suite 270
Roseville, CA 95661

Symbols

PLATE LOCATION AND ORIENTATION

Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

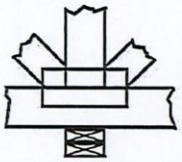
4 x 4

The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION

Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING



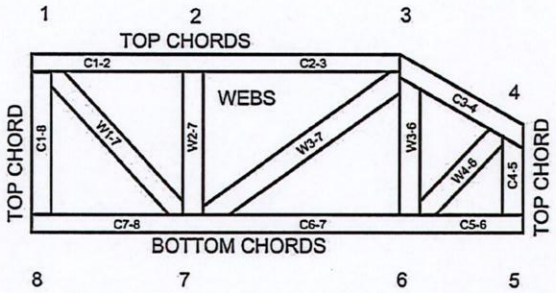
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

6-4-8 dimensions shown in ft-in-sixteenths
(Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

MiTek®

MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

REVIEWED FOR DESIGN CRITERIA ONLY

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.